

ANDROID

H-27

Android Enterprise Terminal

HIGHLIGHTS



Qualcomm Dual Core - 1.5GHz

Android 4.2.2

4.3" Display with Gorilla glass v2 and

Anti-reflective coating

5.0 MP, camera with Auto Focus and

Flash LED

Bluetooth 4.0

WiFi, 802.11 a/b/g/n

HSPA+ with Data and Voice

NFC

Hotswap

IP65

1.5 m drop proof

 **OPTICON**

H-27

Basic product specifications

OPERATION

CPU: Qualcomm MSM8960 Dual core Krait 1.5GHz **O/S:** Android 4.2.2

MEMORY

EMMC: 8G **SDRAM:** DDR2 1GB **EXPANSION:** microSD up to 32GB

DISPLAY

TYPE: TFT LCD (350 nits), capacitive touch panel, color screen **SIZE:** 4.3", 800 x 480 pixels Protection Gorilla glass v2 Coating Anti reflective

OPERATING INDICATORS

VISUAL: 2 LEDs (red/green) **NON-VISUAL:** Vibrate

OPERATING KEYS

1 power key, 2 volume keys, 2 scan keys, 4 Android navigation keys

COMMUNICATION

BLUETOOTH: 4.0 **W-LAN:** WiFi, IEEE.802.11 a/b/g/n **WWAN:** 2G (850/900/1800/1900), 3G (850, 900, 1700, 1900, 2100) **WWAN DATA:** GPRS, eDGe, UMTS, HSPA+ **ETHERNET:** via USB-to-Ethernet adapter (supported USB-to-Ethernet chipsets AX8817x, AX88178, AX88178A, AX88772, RTL8150) **NFC:** nfcA (ISO14443-3A), nfcB (ISO14443-3B), nfcF (JIS 6319-4), isoDep (ISO 14443-4), nFC Forum Tag Types 1, 2, 3, 4, iISO18092, nfcV (iISO15693), MiFare Classic, MiFare Ultralight, nDeF on MiFare Classic **GPS:** integrated GPS and GLONASS **AUDIO:** Speaker/receiver/microphone/3.5 mm headset (CTIA)/Bluetooth (HSP, HFP, A2DP) **USB:** micro USB OTG, System connector with USB OTG and charging

SENSORS

Accelerometer, Magnetometer, Gyroscope, Photometer, Proximity

POWER

MAIN BATTERY: Lithium-Ion 3.7V 2860mAh **BACKUP BATTERY:** Lithium Polymer 3.7V, 80mA for main battery hotswap **OPERATING TIME:** 8 hours (LCD on, 3G on), standby time 325 hours **BATTERY CHARGING TIME:** 2-2.5 hours **CHARGING TECHNOLOGY:** Qualcomm Quickcharge 1.0

CAMERA

REAR FACING CAMERA: 5 MP, auto-focus, flash LED

BARCODE SCANNER OPTICS

LIGHT SOURCE: 650 nm visible laser diode **SCAN RATE:** 100 scans/sec

READING PITCH ANGLE: -35 to 0°, 0 to +35° **READING SKEW ANGLE:** -50° to -8°, +8° to +50° **READING TILT ANGLE:** -20° to 0°, 0° to +20°

CURVATURE: R>15 (EAN8), R>20 (EAN13) **MIN. PCS VALUE:** 0.45 **DEPTH OF FIELD:** At PCS 0.9, Code 39, 70 - 650 mm / 2.76 - 25.59 in (1.00 mm / 39 mil), 50 - 420 mm / 1.97 - 16.54 in (0.5 mm / 20 mil), 50 - 260 mm / 1.97 - 10.24 in (0.25 mm / 10 mil), 50 - 150 mm / 1.97 - 5.91 in (0.15 mm / 6 mil), 60 - 120 mm / 2.36 - 4.72 in (0.127 / 5 mil)

SUPPORTED SYMBOLOGIES BARCODE SCANNER

BARCODE (1D): JAN/UPC/EAN incl. add on, Codabar/NW-7, Code 11, Code 39, Code 93, Code 128, GS1-128 (EAN-128), GS1 DataBar (RSS), IATA, ISBN, Industrial 2of5, Interleaved 2of5, Matrix 2of5, MSI/Plessey, Telepen **POSTAL CODE:** Chinese Post, Korean Postal Authority code **2D CODE:** Composite Codes, MicroPDF417, PDF417

2D IMAGER OPTICS

LIGHT SOURCE: Aiming green LED, illumination LEDs **SCAN METHOD:** CMOS area sensor, 752 x 480 pixels, gray scale **SCAN RATE:** Up to 60 fps **IMAGE FORMAT:** Windows Bitmap, JPEG, TIFF **GRADULATION:** 256, 16, 2 **IMAGE OUTPUT MODE:** 4 resolutions (full, 1/2, 1/3, 1/4), 2 ranges (horizontal, vertical) **READING PITCH ANGLE:** -50 to 0°, 0 to +50° **READING SKEW ANGLE:** -50 to 0°, 0 to +50° **READING TILT ANGLE:** 360° **CURVATURE:** R>16 mm (10-digit Codabar), R>20 mm (12-digit UPC) **MIN. RESOLUTION AT PCS 0.9:** 0.169 mm / 7 mil at PDF417, 0.212 mm / 8 mil at QR Code and DataMatrix Min. **PCS VALUE:** 0.3 **FIELD OF VIEW:** Horizontal 40.6°, Vertical 26.4° **DEPTH OF FIELD:** At Code 39, 85 - 125 mm / 3.35 - 4.92 in (0.127 / 5 mil), 65 - 205 mm / 2.56 - 8.07 in (0.254 mm / 10 mil), 60 - 295 mm / 2.36 - 11.61 in (0.508 mm / 20 mil) **DEPTH OF FIELD:** At QR Code, 90 - 115 mm / 3.54 - 4.53 in (0.212 mm / 8.4 mil), 55 - 195 mm / 2.17 - 7.68 in (0.381 mm / 15 mil)

SUPPORTED SYMBOLOGIES 2D IMAGER

BARCODE (1D): UPC-A, UPC-A Add-on, UPC-E, UPC-E Add-on, EAN-13, EAN-13 Addon, EAN-8, EAN-8 Add-on, JAN-8, JAN-13, Code 39, Tri-Optic, Codabar (NW-7), Industrial 2 of 5, Interleaved 2 of 5, S-Code, IATA, Code 93, Code 128, MSI/Plessey, UK/Plessey, TELEPEN, Matrix 2of5, Code 11, GS1 DataBar, GS1 DataBar Limited, GS1 DataBar Expanded, Composite GS1-DataBar, Composite GS1-128, Composite EAN, Composite UPC **POSTAL CODE:** Chinese Post, Korean Postal Authority code **2D CODE:** PDF417, MicroPDF417, Codablock F, QR Code, Micro QR Code, DataMatrix (ECC 0 - 140 / ECC 200), MaxiCode (Modes 2 to 5), Aztec Code, Han Xin Code (Chinese Sensible Code)

DURABILITY

TEMPERATURE IN OPERATION: -10 to 50 °C / 14 to 122 °F **TEMPERATURE IN STORAGE:** -20 to 70 °C / -4 to 158 °F (without battery) **HUMIDITY IN OPERATION:** 5 - 95% (non-condensing) **HUMIDITY IN STORAGE:** 5 - 95% (non-condensing) **DROP TEST:** 1.5 m / 5 ft drop onto concrete surface **PROTECTION RATE:** IP65

PHYSICAL

DIMENSIONS (W x H x D): 77 x 147 x 19 mm / 3.03 x 5.79 x 0.75 in **WEIGHT BODY:** Ca. 244 g / 8.5 oz (incl. battery) **COLOR:** Black

ENCLOSED ITEMS

Battery, Power adapter, Ear Phone, USB to DC cable, USB Cable, Quick start guide

SOLD SEPARATELY

Rechargeable battery 2860mAh, CRD-27 (excl. power adapter & power cord), Power cord, Silicone Cover

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